



PATENT  
Docket No.: 176/60930 (2-11150-984)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants	:	David P. Biss, Thomas G. Brown, and Kathleen S. Youngworth	)	Examiner:
			)	Ricky D. Shafer
			)	
Serial No.	:	09/759,913	)	Art Unit:
			)	2872
Cnfrm. No.	:	2814	)	
			)	
Filed	:	January 12, 2001	)	
			)	
For	:	AN APPARATUS FOR PRODUCTION OF	)	
		INHOMOGENEOUSLY POLARIZED	)	
		OPTICAL BEAMS FOR USE IN	)	
		ILLUMINATION AND A METHOD	)	
		THEREOF	)	

**DECLARATION OF THOMAS G. BROWN UNDER 37 CFR § 1.132**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I, Thomas G. Brown, pursuant to 37 C.F.R. § 1.132, declare:

1. I received a B.A. degree in physics from Gordon College, and a Ph.D. degree in optics, from the University of Rochester.
2. I have been on the faculty at the Institute of Optics, University of Rochester, Rochester, N.Y. since 1987, and I currently serve as Associate Professor at the Institute of Optics and as a Scientist with the Laboratory for Laser Energetics at the University of Rochester.
3. I am one of three co-inventors of the above patent application.
4. The polarized light beams output from the polarization beam splitter 34 shown in FIG. 1 in the above-identified patent application are properly illustrated.
5. It is well known to those of ordinary skill in the art that beam splitters can selectively reflect a particular polarization direction, such as the vertically polarized direction, while transmitting the orthogonal or horizontally polarized direction. This is usually accomplished by applying a thin-film multilayer coating to the surface that splits the beam in the beam splitter.

6. In the embodiment shown and described with reference to FIG. 1 in the above-identified patent application, the portions 24(1) and 24(2) of the beams are vertically polarized and thus are both reflected by beam splitter 34 to lens 37 while the portions 26(1) and 26(2) of the beams are horizontally polarized and thus are transmitted by beam splitter 34 to lens 37.

7. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 6/29/2004

  
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Thomas G. Brown